RAW SEQUENCE LISTING
\ERROR REPORT

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Application Serial Number: _10/500, 8 41_

Source: _PCT_

Date Processed by STIC: _7/13/04_

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2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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    http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

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Revised 05/17/04

PCT

RAW SEQUENCE LISTING   DATE: 07/15/2004
PATENT APPLICATION: US/10/500,841   TIME: 10:17:00

Input Set : **A:\PTO.FG.txt**
Output Set: **N:\CRF4\07152004\J500841.raw**

```
     3  <110> APPLICANT: SUNTORY LIMITED
     5  <120> TITLE OF INVENTION: Glycosyltransferase GnT-V having neovascularization action
     7  <130> FILE REFERENCE: DS07F927
C-->  9  <140> CURRENT APPLICATION NUMBER: US/10/500,841
C-->  9  <141> CURRENT FILING DATE: 2004-07-07
     9  <150> PRIOR APPLICATION NUMBER: PCT/JP02/13879
    10  <151> PRIOR FILING DATE: 2002-12-27
    12  <160> NUMBER OF SEQ ID NOS: 13
```
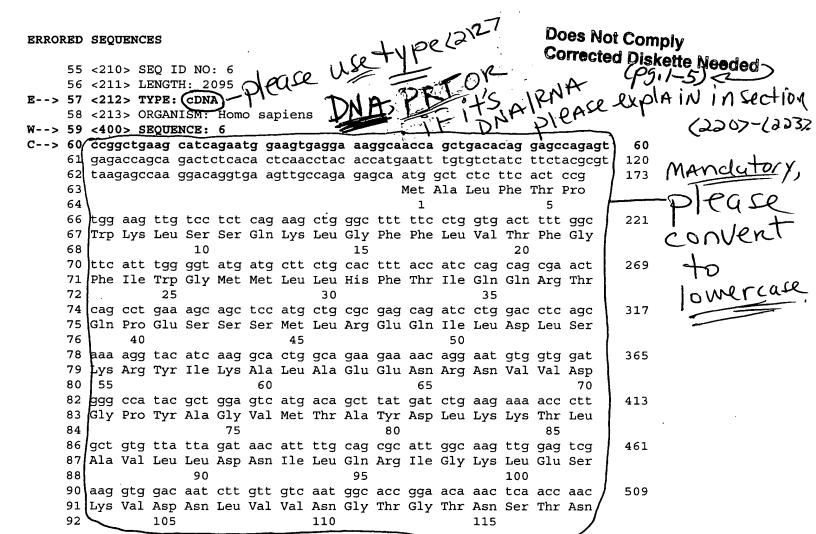
ERRORED SEQUENCES

[Handwritten annotations: "please use type (2127" ; "DNA PRIOR if it's DNA/RNA" ; "Does Not Comply / Corrected Diskette Needed→ (Pg.1-5) / please explain in section (2207-(2233)"]

```
    55  <210> SEQ ID NO: 6
    56  <211> LENGTH: 2095
E--> 57  <212> TYPE: (cDNA)
    58  <213> ORGANISM: Homo sapiens
W--> 59  <400> SEQUENCE: 6
```

[Handwritten annotation: "Mandatory, please convert to lowercase"]

```
C--> 60 ccggctgaag catcagaatg gaagtgagga aaggcaacca gctgacacag gagccagagt  60
    61  gagaccagca gactctcaca ctcaacctac accatgaatt tgtgtctatc ttctacgcgt 120
    62  taagagccaa ggacaggtga agttgccaga gagca atg gct ctc ttc act ccg     173
    63                                          Met Ala Leu Phe Thr Pro
    64                                            1               5
    66  tgg aag ttg tcc tct cag aag ctg ggc ttt ttc ctg gtg act ttt ggc   221
    67  Trp Lys Leu Ser Ser Gln Lys Leu Gly Phe Phe Leu Val Thr Phe Gly
    68              10               15                   20
    70  ttc att tgg ggt atg atg ctt ctg cac ttt acc atc cag cag cga act   269
    71  Phe Ile Trp Gly Met Met Leu Leu His Phe Thr Ile Gln Gln Arg Thr
    72              25               30                   35
    74  cag cct gaa agc agc tcc atg ctg cgc gag cag atc ctg gac ctc agc   317
    75  Gln Pro Glu Ser Ser Ser Met Leu Arg Glu Gln Ile Leu Asp Leu Ser
    76          40               45               50
    78  aaa agg tac atc aag gca ctg gca gaa gaa aac agg aat gtg gtg gat   365
    79  Lys Arg Tyr Ile Lys Ala Leu Ala Glu Glu Asn Arg Asn Val Val Asp
    80      55               60               65               70
    82  ggg cca tac gct gga gtc atg aca gct tat gat ctg aag aaa acc ctt   413
    83  Gly Pro Tyr Ala Gly Val Met Thr Ala Tyr Asp Leu Lys Lys Thr Leu
    84                  75               80               85
    86  gct gtg tta tta gat aac att ttg cag cgc att ggc aag ttg gag tcg   461
    87  Ala Val Leu Leu Asp Asn Ile Leu Gln Arg Ile Gly Lys Leu Glu Ser
    88              90               95                  100
    90  aag gtg gac aat ctt gtt gtc aat ggc acc gga aca aac tca acc aac   509
    91  Lys Val Asp Asn Leu Val Val Asn Gly Thr Gly Thr Asn Ser Thr Asn
    92              105              110                  115
```

RAW SEQUENCE LISTING DATE: 07/15/2004
PATENT APPLICATION: US/10/500,841 TIME: 10:17:00

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Same error

```
 94 tcc act aca gct gtt ccc agc ttg gtt gca ctt gag aaa att aat gtg   557
 95 Ser Thr Thr Ala Val Pro Ser Leu Val Ala Leu Glu Lys Ile Asn Val
 96     120                 125                 130
 98 gca gat atc att aac gga gct caa gaa aaa tgt gta ttg cct cct atg   605
 99 Ala Asp Ile Ile Asn Gly Ala Gln Glu Lys Cys Val Leu Pro Pro Met
100 135                 140                 145                 150
102 gac ggc tac cct cac tgt gag gga aag atc aag tgg atg aaa gac atg   653
103 Asp Gly Tyr Pro His Cys Glu Gly Lys Ile Lys Trp Met Lys Asp Met
104                 155                 160                 165
106 tgg cgt tca gat ccc tgc tac gca gac tat gga gtg gat gga tcc acc   701
107 Trp Arg Ser Asp Pro Cys Tyr Ala Asp Tyr Gly Val Asp Gly Ser Thr
108                 170                 175                 180
110 tgc tct ttt ttt att tac ctc agt gag gtt gaa aat tgg tgt cct cat   749
111 Cys Ser Phe Phe Ile Tyr Leu Ser Glu Val Glu Asn Trp Cys Pro His
112             185                 190                 195
114 tta cct tgg aga gca aaa aat ccc tac gaa gaa gct gat cat aat tca   797
115 Leu Pro Trp Arg Ala Lys Asn Pro Tyr Glu Glu Ala Asp His Asn Ser
116     200                 205                 210
118 ttg gcg gaa att cgt aca gat ttt aat att ctc tac agt atg atg aaa   845
119 Leu Ala Glu Ile Arg Thr Asp Phe Asn Ile Leu Tyr Ser Met Met Lys
120 215                 220                 225                 230
122 aag cat gaa gaa ttc cgg tgg atg aga cta cgg atc cgg cga atg gct   893
123 Lys His Glu Glu Phe Arg Trp Met Arg Leu Arg Ile Arg Arg Met Ala
124                 235                 240                 245
126 gac gca tgg atc caa gca atc aag tcc ctg gca gaa aag cag aac ctt   941
127 Asp Ala Trp Ile Gln Ala Ile Lys Ser Leu Ala Glu Lys Gln Asn Leu
128                 250                 255                 260
130 gaa aag aga aag cgg aag aaa gtc ctc gtt cac ctg gga ctc ctg acc   989
131 Glu Lys Arg Lys Arg Lys Lys Val Leu Val His Leu Gly Leu Leu Thr
132             265                 270                 275
134 aag gaa tct gga ttt aag att gca gag aca gct ttc agt ggt ggc cct  1037
135 Lys Glu Ser Gly Phe Lys Ile Ala Glu Thr Ala Phe Ser Gly Gly Pro
136     280                 285                 290
138 ctt ggt gaa tta gtt caa tgg agt gat tta att aca tct ctg tac tta  1085
139 Leu Gly Glu Leu Val Gln Trp Ser Asp Leu Ile Thr Ser Leu Tyr Leu
140 295                 300                 305                 310
142 ctg ggc cat gac att agg att tca gct tca ctg gct gag ctc aag gaa  1133
143 Leu Gly His Asp Ile Arg Ile Ser Ala Ser Leu Ala Glu Leu Lys Glu
144                 315                 320                 325
146 atc atg aag aag gtt gta gga aac cga tct ggc tgc cca act gta gga  1181
147 Ile Met Lys Lys Val Val Gly Asn Arg Ser Gly Cys Pro Thr Val Gly
148                 330                 335                 340
150 gac aga att gtt gag ctc att tac att gat att gta gga ctt gct caa  1229
151 Asp Arg Ile Val Glu Leu Ile Tyr Ile Asp Ile Val Gly Leu Ala Gln
152             345                 350                 355
154 ttc aag aaa act ctt gga cca tcc tgg gtt cat tac cag tgc atg ctc  1277
155 Phe Lys Lys Thr Leu Gly Pro Ser Trp Val His Tyr Gln Cys Met Leu
156     360                 365                 370
158 cga gtc ctt gat tca ttt ggt act gaa ccc gaa ttt aat cat gca aat  1325
```

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Same error

```
159 Arg Val Leu Asp Ser Phe Gly Thr Glu Pro Glu Phe Asn His Ala Asn
160 375                 380             385                 390
162 tat gcc caa tcg aaa ggc cac aag acc cct tgg gga aaa tgg aat ctg   1373
163 Tyr Ala Gln Ser Lys Gly His Lys Thr Pro Trp Gly Lys Trp Asn Leu
164                 395             400                 405
166 aac cct cag cag ttt tat acc atg ttc cct cat acc cca gac aac agc   1421
167 Asn Pro Gln Gln Phe Tyr Thr Met Phe Pro His Thr Pro Asp Asn Ser
168                 410             415                 420
170 ttt ctg ggg ttt gtg gtt gag cag cac ctg aac tcc agt gat atc cac   1469
171 Phe Leu Gly Phe Val Val Glu Gln His Leu Asn Ser Ser Asp Ile His
172         425                 430                 435
174 cac att aat gaa atc aaa agg cag aac cag tcc ctt gtg tat ggc aaa   1517
175 His Ile Asn Glu Ile Lys Arg Gln Asn Gln Ser Leu Val Tyr Gly Lys
176         440                 445                 450
178 gtg gat agc ttc tgg aag aat aag aag atc tac ttg gac att att cac   1565
179 Val Asp Ser Phe Trp Lys Asn Lys Lys Ile Tyr Leu Asp Ile Ile His
180 455                 460             465                 470
182 aca tac atg gaa gtg cat gca act gtt tat ggc tcc agc aca aag aat   1613
183 Thr Tyr Met Glu Val His Ala Thr Val Tyr Gly Ser Ser Thr Lys Asn
184                 475             480                 485
186 att ccc agt tac gtg aaa aac cat ggt atc ctc agt gga cgg gac ctg   1661
187 Ile Pro Ser Tyr Val Lys Asn His Gly Ile Leu Ser Gly Arg Asp Leu
188         490             495                 500
190 cag ttc ctt ctt cga gaa acc aag ttg ttt gtt gga ctt ggg ttc cct   1709
191 Gln Phe Leu Leu Arg Glu Thr Lys Leu Phe Val Gly Leu Gly Phe Pro
192         505             510                 515
194 tac gag ggc cca gct ccc ctg gaa gct atc gca aat gga tgt gct ttt   1757
195 Tyr Glu Gly Pro Ala Pro Leu Glu Ala Ile Ala Asn Gly Cys Ala Phe
196     520             525             530
198 ctg aat ccc aag ttc aac cca ccc aaa agc agc aaa aac aca gac ttt   1805
199 Leu Asn Pro Lys Phe Asn Pro Pro Lys Ser Ser Lys Asn Thr Asp Phe
200 535                 540             545                 550
202 ttc att ggc aag cca act ctg aga gag ctg aca tcc cag cat cct tac   1853
203 Phe Ile Gly Lys Pro Thr Leu Arg Glu Leu Thr Ser Gln His Pro Tyr
204                 555             560                 565
206 gct gaa gtt ttc atc ggg cgg cca cat gtg tgg act gtt gac ctc aac   1901
207 Ala Glu Val Phe Ile Gly Arg Pro His Val Trp Thr Val Asp Leu Asn
208                 570             575                 580
210 aat cag gag gaa gta gag gat gca gtg aaa gca att tta aat cag aag   1949
211 Asn Gln Glu Glu Val Glu Asp Ala Val Lys Ala Ile Leu Asn Gln Lys
212         585             590                 595
214 att gag cca tac atg cca tat gaa ttt acg tgc gag ggg atg cta cag   1997
215 Ile Glu Pro Tyr Met Pro Tyr Glu Phe Thr Cys Glu Gly Met Leu Gln
216     600             605                 610
218 aga atc aat gct ttc att gaa aaa cag gac ttc tgc cat ggg caa gtg   2045
219 Arg Ile Asn Ala Phe Ile Glu Lys Gln Asp Phe Cys His Gly Gln Val
220 615                 620             625                 630
222 atg tgg cca ccc ctc agc gcc cta cag gtc aag ctt gct gag ccc ggg   2093
223 Met Trp Pro Pro Leu Ser Ala Leu Gln Val Lys Leu Ala Glu Pro Gly
```

RAW SEQUENCE LISTING   DATE: 07/15/2004
PATENT APPLICATION: US/10/500,841   TIME: 10:17:00

Input Set : A:\PTO.FG.txt
Output Set: N:\CRF4\07152004\J500841.raw

```
      224              635           640           645
      226 cc
      236 <210> SEQ ID NO: 8
      237 <211> LENGTH: 24
E-->  238 <212> TYPE: cDNA
      239 <213> ORGANISM: Artificial Sequence
W-->  240 <220> FEATURE:
      241 <223> OTHER INFORMATION:
W-->  242 <400> SEQUENCE: 8
C-->  243 gggagtgagg atgatgtagg gaag                    24
      245 <210> SEQ ID NO: 9
      246 <211> LENGTH: 24
E-->  247 <212> TYPE: cDNA
      248 <213> ORGANISM: Artificial Sequence
W-->  249 <220> FEATURE:
      250 <223> OTHER INFORMATION:
W-->  251 <400> SEQUENCE: 9
C-->  252 atggggcaga ggaacttacg ttat                    24
      262 <210> SEQ ID NO: 11
      263 <211> LENGTH: 6
      264 <212> TYPE: PRT
      265 <213> ORGANISM: Homo sapiens
      266 <223> OTHER INFORMATION: KRKRKK peptide
      267 <400> SEQUENCE: 11
      268 Lys Arg Lys Arg Lys Lys
      269   1                   5
      271 <210> SEQ ID NO: 12
      272 <211> LENGTH: 6
      273 <212> TYPE: PRT
      274 <213> ORGANISM: Homo sapiens
      275 <223> OTHER INFORMATION: FSGGPL peptide
      276 <400> SEQUENCE: 12
      277 Phe Ser Gly Gly Pro Leu
      278   1                   5
```

Handwritten annotations:

please use type (212), DNA) — PRT or if DNA/RNA, please explain in section <220> — <223>.

Mandatory.

pls use lowercase

* if <213> is Artificial/unknown, please explain in section <220> — <223>.

same error

same error

pls convert to lowercase

pls insert <220>, whenever <221>, <222> or <223> is present.

pls insert <220> whenever, <221>, <222> or <223> is present.

VERIFICATION SUMMARY   DATE: 07/15/2004
PATENT APPLICATION: **US/10/500,841**   TIME: 10:17:01

Input Set : **A:\PTO.FG.txt**
Output Set: **N:\CRF4\07152004\J500841.raw**

```
L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:18 M:283 W: Missing Blank Line separator, <400> field identifier
L:26 M:283 W: Missing Blank Line separator, <400> field identifier
L:34 M:283 W: Missing Blank Line separator, <400> field identifier
L:43 M:283 W: Missing Blank Line separator, <400> field identifier
L:51 M:283 W: Missing Blank Line separator, <400> field identifier
L:57 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:59 M:283 W: Missing Blank Line separator, <400> field identifier
L:60 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=6
L:232 M:283 W: Missing Blank Line separator, <400> field identifier
L:238 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:240 M:283 W: Missing Blank Line separator, <220> field identifier
L:242 M:283 W: Missing Blank Line separator, <400> field identifier
L:242 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:241
L:243 M:112 C: (48) String data converted to lower case
L:247 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:249 M:283 W: Missing Blank Line separator, <220> field identifier
L:251 M:283 W: Missing Blank Line separator, <400> field identifier
L:251 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:250
L:252 M:112 C: (48) String data converted to lower case,
L:258 M:283 W: Missing Blank Line separator, <400> field identifier
L:267 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:11
L:267 M:283 W: Missing Blank Line separator, <400> field identifier
L:276 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:12
L:276 M:283 W: Missing Blank Line separator, <400> field identifier
L:284 M:283 W: Missing Blank Line separator, <400> field identifier
```

```
<210> 13
<211> 5
<212> PRT
<213> Homo sapiens
<400> 13
His Phe Thr Ile Gln
 1               5
```

1/10 delete